

**ABSTRACT OF THE DISCLOSURE**

A schedule (164, 166) correlates data values of closed-loop gain (KP, KI) with engine temperature values (EOT) and engine speed values (N). A control strategy develops a data value (ICPC\_DES) representing desired injector control pressure (ICP) set-point, processes ICPC\_DES and a data value (ICP\_MPA) representing actual ICP to develop ICP error data value (ICP\_ERR) for closed-loop P-I control (160, 162) of actual ICP. Data values for closed-loop proportional and integral gains are obtained from the schedule based on measured engine temperature and measured engine speed. ICP becomes less subject to undesirable fluctuations that might otherwise change fuel injection quantity in ways detrimental to attainment of desired tailpipe emission objectives.